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Title: JP2054861A2: HERMETICAL FORMING METHOD FOR STORAGE BATTER
TERMINAL SECTION

Derwent Title: Hermetically sealing battery terminal - soldering cylindrical terminal pole to inorganic insulator cylinder, and fitting and soldering round electrode rod to terminal pole NoAbstr [\[Derwent Record\]](#)

Country: JP Japan
Kind: A (See also: [JP7066798B4](#))

Inventor: ISHIKAWA YUKITSUGU;
TOGA TAKAYOSHI;

Assignee: FURUKAWA BATTERY CO LTD:THE
KYOCERA CORP
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1990-02-23 / 1988-08-17

Application Number: JP1988000204245

IPC Code: H01M 2/06; H01M 2/30;

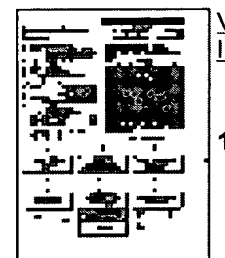
Priority Number: 1988-08-17 JP1988000204245

Abstract: PURPOSE: To prevent the occurrence of cracks on a circular inorganic insulating material and obtain a terminal section with stable airtightness by forming a terminal electrode pole into a bottomed cylindrical electrode pole and brazing its cylindrical wall and the cylindrical inorganic insulating material on the outer periphery.

CONSTITUTION: An inorganic cylindrical electric insulating material 4 is inserted into a space between a terminal cylindrical electrode pole 1 and a cover hole peripheral wall 2a, and the outer periphery of the insulating material 4 and the inner periphery end 5b folded downward in a U-shape of a metallic flange 5 are airtightly brazed 7 and seal-bound. The outer periphery of the electrode pole 1 and the inner periphery of the insulating material 4 on its outer periphery are brazed and bound. A metallic column-shaped core member 12 with the diameter slightly smaller than the inner diameter of a cylindrical wall 1b is inserted into the columnar recessed hole 11 of the electrode pole 1 at a gap 11a, a wax material 13 is filled in the gap 11a, the member 12 and the inner periphery of the cylindrical wall 1b are brazed 13 over the whole length of the height, and a solid electrode pole terminal 14 is obtained.

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6586912	2003-07-01	Tsukamoto; Hisashi	Quallion LLC	Method and apparatus for amplitude limiting battery temperature spikes
	US5446979	1995-09-05	Sugiyama; Genroku	Hitachi Construction Machinery Co., Ltd.	Hydraulic circuit system for civil engineering and construction machines

Other Abstract
Info:

DERABS G90-103768 DERG90-103768

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(19)

(11) Publication number: **02054861**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **63204245**(51) Intl. Cl.: **H01M 2/06 H01M 2/30**(22) Application date: **17.08.88**

(30) Priority:	(71) Applicant: FURUKAWA BATTERY CO LTD:THE KYOCERA CORP
(43) Date of application publication: 23.02.90	(72) Inventor: ISHIKAWA YUKITSUGU TOGA TAKAYOSHI
(84) Designated contracting states:	(74) Representative:

(54) HERMETICAL FORMING METHOD FOR STORAGE BATTERY TERMINAL SECTION

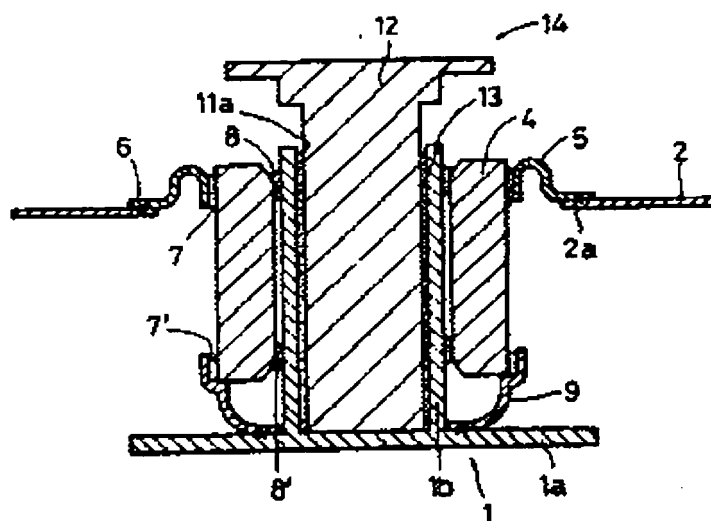
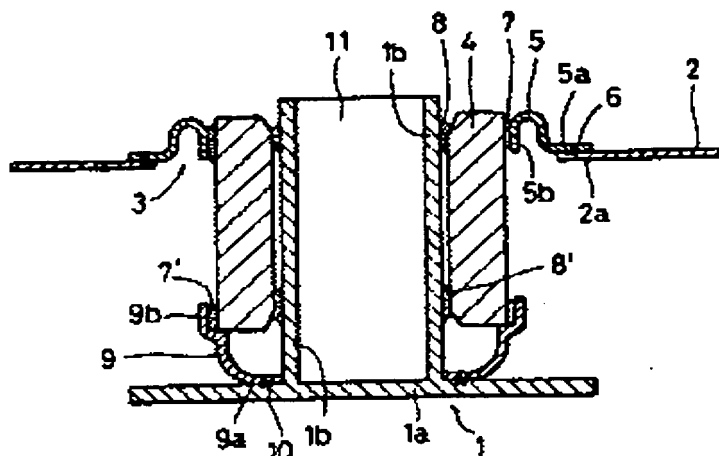
(57) Abstract:

PURPOSE: To prevent the occurrence of cracks on a circular inorganic insulating material and obtain a terminal section with stable airtightness by forming a terminal electrode pole into a bottomed cylindrical electrode pole and brazing its cylindrical wall and the cylindrical inorganic insulating material on the outer periphery.

CONSTITUTION: An inorganic cylindrical electric insulating material 4 is inserted into a space between a terminal cylindrical electrode pole 1 and a cover hole peripheral wall 2a, and the outer periphery of the insulating material 4 and the inner periphery end 5b folded downward in a U-shape of a metallic flange 5 are airtightly brazed 7 and seal-bound.

The outer periphery of the electrode pole 1 and the inner periphery of the insulating material 4 on its outer periphery are brazed and bound. A metallic column-shaped core member 12 with the diameter slightly smaller than the inner diameter of a cylindrical wall 1b is inserted into the columnar recessed hole 11 of the electrode pole 1 at a gap 11a, a wax material 13 is filled in the gap 11a, the member 12 and the inner periphery of the cylindrical wall 1b are brazed 13 over the whole length of the height, and a solid electrode pole terminal 14 is obtained.

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